

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for driving a plasma display panel having a plurality of row electrode sets, each ~~of said sets~~ including a pair of two first electrodes and ~~[[a]]~~ one second electrode ~~arranged therebetween~~ interposed between said first electrodes, the first ~~electrode~~ electrodes and the second electrode respectively ~~corresponding to a~~ acting as scanning ~~electrode~~ electrodes and a sustain electrode, or vice versa, and said second electrode interposed between neighboring display cells such that said second electrode is shared by said neighboring display cells, wherein said neighboring display cells are adjacent in a direction intersecting with a direction where said scanning electrodes and sustaining electrode extend, the method comprising the ~~step~~ steps of:

applying sustaining alternating pulses across neighboring ones of said first and second electrodes; and

changing at least one condition selected from the group consisting of ~~a voltage of a sustaining pulse, a pulse width of a sustaining pulse except for the first sustaining pulse, and a pulse applying interval of a sustaining pulse~~ pulse width and interval of said sustaining alternating pulses in relation to ~~[[a]]~~ changes in polarity of said sustaining ~~pulse~~ alternating pulses, ~~said sustaining pulse being applied to said first electrode and second electrode alternately in every cycle by a predetermined number with relation to an image data during a sustaining period,~~

~~wherein said neighboring display cells are adjacent in a direction intersecting with a direction where scanning electrodes and sustaining electrodes extend.~~

Claim 2 (Previously Presented): The method for driving a plasma display panel in which any one of a scanning electrode and a sustaining electrode is shared by neighboring display cells interposed therebetween, the method comprising the step of:

changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse, and a pulse applying interval of a sustaining pulse in relation to a polarity of said sustaining pulse, said sustaining pulse being applied to said scanning electrode and sustaining electrode by a predetermined number with relation to an image data during a sustaining period, wherein said changing at least one condition comprises the step of, in case of an interlace method, making a width of said sustaining discharge pulse when said shared electrode functions as a positive electrode wider than that when said shared electrode functions as a negative electrode, and

wherein on both sides of one of the sustaining electrode or the scanning electrode, the other one of the sustaining or scanning electrode is arranged, and two of the other one of the sustaining or scanning electrode are arranged between each of the one of the sustaining or scanning electrode.

Claim 3 (Previously Presented): The method for driving a plasma display panel in which any one of a scanning electrode and a sustaining electrode is shared by neighboring display cells interposed therebetween, the method comprising the step of:

changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse, and a pulse applying interval of a sustaining pulse in relation to a polarity of said sustaining pulse, said sustaining pulse being applied to said scanning electrode and sustaining electrode by a predetermined number with relation to an image data during a sustaining period, wherein said changing at least one condition comprises the step of, in case of an interlace method, making a width of said sustaining discharge pulse when said shared electrode functions as a positive electrode narrower than that when said shared electrode functions as a negative electrode, and

wherein on both sides of one of the sustaining electrode or the scanning electrode, the other one of the sustaining or scanning electrode is arranged, and two of the other one of the sustaining or scanning electrode are arranged between each of the one of the sustaining or scanning electrode.

Claim 4 (Previously Presented): The method for driving a plasma display panel in which any one of a scanning electrode and a sustaining electrode is shared by neighboring display cells interposed therebetween, the method comprising the step of:

changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse, and a pulse applying interval of a sustaining pulse in relation to a polarity of said sustaining pulse, said sustaining pulse being applied to said scanning electrode and sustaining electrode by a predetermined number with relation to an image data during a sustaining period,

wherein said changing at least one condition comprises the step of, in case of an interlace method, making a difference in potential between row electrodes when said shared electrode functions as a positive electrode larger than that when said shared electrode functions as a negative electrode, and

wherein on both sides of one of the sustaining electrode or the scanning electrode, the other one of the sustaining or scanning electrode is arranged, and two of the other one of the sustaining or scanning electrode are arranged between each of the one of the sustaining or scanning electrode.

Claim 5 (Previously Presented): The method for driving a plasma display panel in which any one of a scanning electrode and a sustaining electrode is shared by neighboring display cells interposed therebetween, the method comprises the step of:

changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse, and a pulse applying interval of a sustaining pulse in relation to a polarity of said sustaining pulse, said sustaining pulse being applied to said scanning electrode and sustaining electrode by a predetermined number with relation to an image data during a sustaining period, wherein said changing at least one condition comprises the step of, in case of an interlace method, making a difference in potential between row electrodes when said shared electrode functions as a positive electrode smaller than that when said shared electrode functions as a negative electrode, and

wherein on both sides of one of the sustaining electrode or the scanning electrode, the other one of the sustaining or scanning electrode is arranged, and two of the other one of the

sustaining or scanning electrode are arranged between each of the one of the sustaining or scanning electrode.

Claim 6 (Previously Presented): The method for driving a plasma display panel in which any one of a scanning electrode and a sustaining electrode is shared by neighboring display cells interposed therebetween, the method comprising the step of:

changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse, and a pulse applying interval of a sustaining pulse in relation to a polarity of said sustaining pulse, said sustaining pulse being applied to said scanning electrode and sustaining electrode by a predetermined number with relation to an image data during a sustaining period,

wherein said changing at least one condition comprises the step of, in case of a progressive method, making a width of said sustaining discharge pulse when said shared electrode functions as a positive electrode narrower than that when said shared electrode functions as a negative electrode, and

wherein on both sides of one of the sustaining electrode or the scanning electrode, the other one of the sustaining or scanning electrode is arranged, and two of the other one of the sustaining or scanning electrode are arranged between each of the one of the sustaining or scanning electrode.

Claim 7 (Previously Presented): The method for driving a plasma display panel in which any one of a scanning electrode and a sustaining electrode is shared by neighboring display cells interposed therebetween, the method comprising the step of:

changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse, and a pulse applying interval of a sustaining pulse in relation to a polarity of said sustaining pulse, said sustaining pulse being applied to said scanning electrode and sustaining electrode by a predetermined number with relation to an image data during a sustaining period, wherein said changing at least one condition comprises the step of, in case of a progressive method, making a difference in potential between row electrodes when said shared electrode functions as a positive electrode smaller than that when said shared electrode functions as a negative electrode, and

wherein on both sides of one of the sustaining electrode or the scanning electrode, the other one of the sustaining or scanning electrode is arranged, and two of the other one of the sustaining or scanning electrode are arranged between each of the one of the sustaining or scanning electrode.

Claim 8 (Previously Presented): A method for driving a plasma display panel having a plurality of row electrode sets, each of said sets including a pair of first electrodes and a second electrode arranged therebetween, the first electrode and the second electrode respectively corresponding to a scanning electrode and a sustain electrode, or vice versa, and said second electrode interposed between neighboring display cells such that said second electrode is shared by said neighboring display cells, the method comprising step of:

assigning one or more sub-fields with an interlace method in which lines emitting light are changed in each field, and one or more sub-fields with a progressive method in which all lines emit light, in a plurality of sub-fields constituting one field, and

wherein said neighboring display cells are adjacent in a direction intersecting with a direction where scanning electrodes and sustaining electrodes extend.

Claim 9 (Original): The method of driving a plasma display panel according to claim 8, further comprising the steps of:

making a width of said sustaining discharge pulse when said shared electrode functions as a positive electrode wider than that when said shared electrode functions as a negative electrode, in case of said interlace method; and

making a width of said sustaining discharge pulse when said shared electrode functions as a positive electrode narrower than that when said shared electrode functions as a negative electrode, in case of said progressive method.

Claim 10 (Canceled).

Claim 11 (Currently Amended): A method for driving a plasma display panel having a plurality of row electrode sets, each of said sets including a pair of two first electrodes and one second electrode ~~arranged therebetween~~ interposed between said first electrodes, the first ~~electrode~~ electrodes and the second electrode respectively ~~corresponding to a~~ acting as scanning ~~electrode~~ electrodes and a sustain electrode, or vice

versa, and said second electrode interposed between neighboring display cells such that said second electrode is shared by said neighboring display cells, wherein said neighboring display cells are adjacent in a direction intersecting with a direction where said scanning electrodes and sustaining electrode extend, the method comprising the ~~step~~ steps of:

executing sustaining discharge of said neighboring display cells at an interval of one cycle alternately,

applying sustaining alternating pulses across neighboring ones of said first and second electrodes; and

~~changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse except for the first sustaining pulse [[,]]~~
voltage of said sustaining alternating pulses in relation to [[a]] every change in polarity of said sustaining pulse alternating pulses ~~[[,]]said sustaining pulse being applied to said first electrode and second electrode alternately in every cycle by a predetermined number with relation to an image data during a sustaining period,~~

~~wherein said neighboring display cells are adjacent in a direction intersecting with a direction where scanning electrodes and sustaining electrodes extend.~~

Claim 12 (Currently Amended): The method for driving a plasma display panel according to claim 11, wherein said changing at least one condition comprises the step of making [[a]] said time width of said sustaining discharge pulse alternating pulses when said shared electrode functions as a positive electrode wider than that when said shared electrode functions as a negative electrode.

Claim 13 (Previously Presented): The method for driving a plasma display panel in which any one of a scanning electrode and a sustaining electrode is shared by neighboring display cells interposed therebetween, the method comprising the steps of:

executing sustaining discharge of said neighboring display cells at an interval of one cycle alternately, and

changing at least one condition selected from the group consisting of a voltage of a sustaining pulse, a pulse width of a sustaining pulse, and a pulse applying interval of a sustaining pulse in relation to a polarity of said sustaining pulse, said sustaining pulse being applied to said scanning electrode and sustaining electrode alternately in every cycle by a predetermined number with relation to an image data during a sustaining period,

wherein said changing at least one condition comprises the step of making a difference in potential between row electrodes when said shared electrode functions as a positive electrode larger than that when said shared electrode functions as a negative electrode.

Claim 14 (Currently Amended): The method for driving a plasma display panel according to claim 2, wherein when the width of said sustaining discharge pulse to be applied to one of said sustaining electrode and said scanning electrode when ~~that~~ said electrode functions as a positive electrode is wider than when said electrode functions as a negative electrode, the width of said sustaining discharge pulse to be applied to the other one of said sustaining electrode or said scanning electrode when the other one of the sustaining electrode or

the scanning electrode functions as a positive electrode is narrower than when the other electrode of the sustaining electrode or the scanning electrode functions as a negative electrode.

Claim 15 (Currently Amended): The method for driving a plasma display panel according to claim 3, wherein when the width of said sustaining discharge pulse to be applied to one of said sustaining electrode and said scanning electrode when ~~that~~ said electrode functions as a positive electrode is narrower than when said electrode functions as a negative electrode, the width of said sustaining discharge pulse to be applied to the other one of said sustaining electrode and said scanning electrode when the other one of the sustaining electrode and scanning electrode functions as a positive electrode is wider than when the other electrode of the sustaining electrode and scanning electrode functions as a negative electrode.

Claim 16 (Currently Amended): The method for driving a plasma display panel according to claim 6, wherein when the width of said sustaining discharge pulse to be applied to one of said sustaining electrode and said scanning electrode when ~~that~~ said electrode functions as a positive electrode is narrower than when said electrode functions as a negative electrode, the width of said sustaining discharge pulse to be applied to the other one of said sustaining electrode and said scanning electrode when the other one of the sustaining electrode and scanning electrode functions as a positive electrode is wider than when the other electrode of the sustaining electrode and scanning electrode functions as a negative electrode.

Claim 17 (Currently Amended): The method for driving a plasma display panel according to claim 9, wherein when the width of said sustaining discharge pulse to be applied to one of said sustaining electrode and said scanning electrode when ~~that~~ said electrode functions as a positive electrode is wider than when said electrode functions as a negative electrode, the width of said sustaining discharge pulse to be applied to the other one of said sustaining electrode and said scanning electrode when the other one of the sustaining electrode and scanning electrode functions as a positive electrode is narrower than when the other electrode of the sustaining electrode and scanning electrode functions as a negative electrode.

Claim 18 (Currently Amended): The method for driving a plasma display panel according to claim 13, wherein when the width of said sustaining discharge pulse to be applied to one of said sustaining electrode and said scanning electrode when ~~that~~ said electrode functions as a positive electrode is wider than when said electrode functions as a negative electrode, the width of said sustaining discharge pulse to be applied to the other one of said sustaining electrode and said scanning electrode when the other one of the sustaining electrode and scanning electrode functions as a positive electrode is narrower than when the other electrode of the sustaining electrode and scanning electrode functions as a negative electrode.

Claim 19 (New): A method for driving a plasma display panel having a plurality of row electrode sets, each including two first electrodes and one second electrode interposed between said first electrodes, the first electrodes and the second electrode respectively acting as scanning electrodes and a sustain electrode, or vice versa, and said second electrode interposed between

neighboring display cells such that said second electrode is shared by said neighboring display cells, wherein said neighboring display cells are adjacent in a direction intersecting with a direction where said scanning electrodes and sustaining electrode extend, the method comprising the steps of:

applying sustaining alternating pulses across neighboring ones of said first and second electrodes; and

changing voltage of said sustaining alternating pulses in relation to every change in polarity of said sustaining alternating pulses.

Claim 20 (New): A method for driving a plasma display panel having a plurality of row electrode sets, each including two first electrodes and one second electrode interposed between said first electrodes, the first electrodes and the second electrode respectively acting as scanning electrodes and a sustain electrode, or vice versa, and said second electrode interposed between neighboring display cells such that said second electrode is shared by said neighboring display cells, wherein said neighboring display cells are adjacent in a direction intersecting with a direction where said scanning electrodes and sustaining electrode extend, the method comprising the steps of:

executing sustaining discharge of said neighboring display cells at an interval of one cycle alternately,

applying sustaining alternating pulses across neighboring ones of said first and second electrodes; and

changing at least one condition selected from the group consisting of pulse width and interval of said sustaining alternating pulses in relation to changes in polarity of said sustaining alternating pulses.